

IN THE CLAIMS

Please cancel claim 2 without prejudice, amend claims 1, and 3-10, and add new claims 11-18 as follows:

*SUB 10* > 1. (Currently amended) A network with several network clusters  
2 of at least one wireless network node each, ~~which said wireless~~  
3 network node ~~is being~~ designed for the wireless transmission of  
4 packets in time slots of given length in a time multiplex process,  
5 the variable length of said packets having at least a value which  
6 is smaller than the length of a fixedly given time slot,  
*A* 7 ~~characterized in that a wherein a transmitting wireless~~  
8 ~~network node of said wireless network nodes is provided is~~  
9 configured for combining several packets into a superpacket and for  
10 transmitting the superpacket to all wireless network nodes  
11 authorized for the data transmission via a point-to-multipoint  
12 link, and  
13 ~~in that a wherein a receiving wireless network node of said~~  
14 wireless network nodes after reception of a ~~the~~ superpacket is

15 designed to derive a packet from the superpacket if the destination  
16 of the packet lies in the relevant associated network cluster;  
17 said transmitting wireless network node being configured for  
18 segmenting the superpacket into cells when the length of the  
19 superpacket exceeds the length of the fixedly given time slots, and  
20 for inserting the cells into several time slots, and  
21 said receiving wireless network node which receives the cells  
22 being configured for forming the superpacket from the cells.

2. (Canceled)

1 3. (Currently amended) A network as claimed in claim 21,  
2 ~~characterized in that a~~ wherein said transmitting wireless network  
3 node is designed for inserting the cells into several time slots of  
4 a frame or into one or several time slots of several frames.

1 4. (Currently amended) A network as claimed in claim 1,  
2 ~~characterized in that~~ wherein one of the wireless network nodes  
3 from among the wireless network nodes which form a wireless network

4 is constructed so as to form a central node which is designed to  
5 control the radio traffic.

1 5. (Currently amended) A network as claimed in claim 1,  
2 ~~characterized in that a~~ wherein said receiving wireless network  
3 node which receives a packet is designed for comparing the address  
4 identification in the control field of the packet with an address  
5 which belongs to the associated network cluster and which  
6 identifies the destination.

1 6. (Currently amended) A network as claimed in claim 5,  
2 ~~characterized in that a~~ wherein said receiving wireless network  
3 node contains a table for the storage of all addresses of the  
4 associated network cluster.

1 7. (Currently amended) A network as claimed in claim 1,  
2 ~~characterized in that wherein~~ the network comprises a management  
3 system which ~~for certain applications controls a~~ at least one of  
4 said wireless network nodes such that ~~this said~~ at least one  
5 wireless network node provides the establishment of point-to-point  
6 connections only instead of point-to-multipoint connections.

1 8. (Currently amended) A network as claimed in claim 7,  
2 ~~characterized in that a~~ said transmitting wireless network node is  
3 designed for sending a key via a point-to-multipoint connection and  
4 for sending coded data via a point-to-point connection.

1 9. (Currently amended) A wireless network node in a network  
2 cluster of a network, ~~which~~ said wireless network node is being  
3 designed for the wireless transmission of packets in time slots of  
4 given length in a time multiplex process, the variable length of  
5 said packets having at least a value which is smaller than the  
6 length of a fixedly given time slot,

7 ~~characterized in that wherein~~ the wireless network node is  
8 designed for combining several packets into a superpacket and for  
9 transmitting said superpacket via a point-to-multipoint connection  
10 to all wireless network nodes authorized for the data transmission;  
11 and

12 said wireless network node being further configured for  
13 segmenting said superpacket into cells when the length of the  
14 superpacket exceeds the length of the fixedly given time slot, and  
15 for inserting the cells into several time slots so that a receiving

16 wireless network node which receives the cells forms said  
17 superpacket from the cells.

1 10. (Currently amended) A wireless network node in a network  
2 cluster of a network, ~~which said wireless network node is being~~  
3 designed for the wireless reception of packets in time slots of  
4 given length in a time multiplex process, the variable length of  
5 said packets having at least a value which is smaller than the  
6 length of a fixedly given time slot,  
7 ~~characterized in that wherein~~ the wireless network node is  
8 designed so as to derive a packet from a superpacket after  
9 reception of ~~this said~~ superpacket if the designation of ~~the one of~~  
10 said packets lies within the relevant associated network cluster;  
11 said wireless network node being further configured to form  
12 said superpacket from cells received from a transmitting node which  
13 segments said superpacket into said cells when the length of the  
14 superpacket exceeds the length of the fixedly given time slot and  
15 inserts said cells into several time slots.

1 11. (New) A network as claimed in claim 5, wherein said  
2 receiving wireless network node derives a relevant packet of said

3 packets from said superpacket, said relevant packet having said  
4 address designation belonging to the associated network cluster.

1 12.(New) A network comprising:

2 a plurality of network clusters each including a wireless  
3 network node,

4 wherein a transmitting wireless network node of said wireless  
5 network nodes is configured to combine several packets into a  
6 superpacket and transmit the superpacket to receiving wireless  
7 network nodes of said wireless network nodes; and

8 wherein a receiving wireless network node of said wireless  
9 network nodes after reception of a superpacket is configured to  
10 derive a packet from the superpacket if a destination of the packet  
11 lies in an associated network cluster of said plurality of network  
12 clusters;

13 said transmitting wireless network node being configured to  
14 segment the superpacket into cells when a length of the superpacket  
15 exceeds a length of a fixedly given time slots, and to insert the  
16 cells into several time slots; and

17 said receiving wireless network nodes which receive said cells  
18 being configured to form said superpacket from said cells.

1        13.(New) A network as claimed in claim 12, wherein said  
2        transmitting wireless network node is designed for inserting the  
3        cells into several time slots of a frame or into one or several  
4        time slots of several frames.

1        14.(New) A network as claimed in claim 12, wherein one of the  
2        wireless network nodes is configured to act as a central node which  
3        is designed to control radio traffic.

1        15.(New) A network as claimed in claim 12, wherein said  
2        receiving wireless network node which receives a packet is  
3        configured to compare an address identification in a control field  
4        of the packet with an address which belongs to an associated  
5        network cluster.

1        16.(New) A network as claimed in claim 15, wherein said  
2        receiving wireless network node contains a table for storage of all  
3        addresses of the associated network cluster.

1        17. (New) A network as claimed in claim 12, wherein the  
2 network comprises a management system which controls at least one  
3 of said wireless network nodes such that said at least one wireless  
4 network node provides establishment of point-to-point connections  
5 or point-to-multipoint connections.

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1        18. (New) A network as claimed in claim 17, wherein said at  
2 least one transmitting wireless network node is configured to send  
3 a key via a point-to-multipoint connection and to send coded data  
4 via a point-to-point connection.

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